forth row after "XP(I/V)(K/R)W(T/M)" insert - - SEQ ID NO: 44- -;

Table 2, fifth row after "DIKSKN" insert - -SEQ ID NO: 40- -;

fifth row after "GTRRYM" insert - -SEQ ID NO: 45- -;

Table 2, sixth row after "DFKSKN" insert - - SEQ ID NO: 41- -;

sixth row after "GTRRYM" insert - -SEQ ID NO: 45- -;

Table 2, seventh row after "DLKSSN" insert - - SEQ ID NO: 42- -;

seventh row after "GTARYM" insert - -SEQ ID NO:46- -;

Table 2, eighth row after "DFKSRN" insert - -SEQ ID NO: 27- -;

eighth row after "GTKRYM" insert - -SEQ ID NO: 29- -;

Table 2, ninth row after "DLKSKN" insert - -SEQ ID NO: 28- -; and

ninth row after "GTKRYM" insert - -SEQ ID NO: 29- -.

IN THE CLAIMS

C4

21. (Amended) A method of enhancing expression of a gene, expression of which is activated by phosphorylated Smad1, comprising contacting a cell which expresses ALK-1 and which is capable of expressing said gene with a molecule which binds to ALK-1 which activates phosphorylation of Smad1.

C5

28. (Amended) A method for identifying a gene whose activation is effected by phosphorylated Smad1, comprising contacting a first sample of cells which expresses ALK-1 and which expresses and phosphorylates Smad1 with an agent which binds to ALK-1 and inhibits or activates phosphorylation of Smad1, removing transcripts of said cell sample, and comparing said transcripts [from] to transcripts of a second sample not treated with said agent, wherein any differences therebetween are transcripts of genes whose activation is effected by phosphorylation of Smad1.